## BEST AVAILABLE COPY

Rule 131 Petition AN 09/472,558	179 Page 1 of 48
\$30 × × × × × × × × × × × × × × × × × × ×	3
Electroporation of putc 1	old sauple ) it Rat. 1, 1302 at 1-19 culs
Spld pwrci (#	YE DWALGG) was electroported to each all
O A	T.C. Incutation time
	21.1 S.ao Im
	17.0 5:45
	16.9 6:40 ~
KNA entracted acco	alls was very low after electroposals,
- 1-19	Cells was very low affer eliterpools,
7, 2, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,	*
AT 2 nd inappoparal pp	N N
	r was repeated at samples replaced.
// <del>C.</del>	
Significant policy policy policy	BBO. 7 with Ecote 1 and gel analysis
Sold pSTBBO.7 was dige	ated with
Ecok's for 3h w Soul RXN	
An aliquet of digeted same	
on o.b. again gul with	
Vuter and the really program	pwittle
Souther Thy:	
1- pst BB6.7	· ···· - · · · · · · · · · · · · · · ·
2- PSTBO-7 V Erok1	· ·
. / .	-
= (3x4 - pwtc)	
ppt with 2,2 pl s march + 120 pl ethan	d
200 wished with 80% cl	hand redusable TE at 1/9/pl

Rule 131 Petition AN 09/472,558	Page 2 of 48
RNA punification cont	and from page 179
	Rot 81 was coprecipitated with 20 mg thron
orl Sul 3 M Nam off 2 +	120 pl estant, at - 20', on.
	tend in present of Stopley ethanol et - 70'C.
	·
frobe was synthe	of I according to previous protocol, but on used up I used Berow Tot solutions as
sin my soutrons are	on resid up I used Beraits solutions as
fellows.	
pl	Artual
20.5 H20	7,500
10.0 Sx Buff	len #
·	intes (3) "
1.0 0.1-11	
2.5 O.IM D	<u> </u>
1.0 RNA Su	and .
3.0 Templat	2 pl (2pg)
S.0 32p WT	7 pl 3000 Ci/mre/
1.0 T7 pdy	maan 1.5 pl
Sopl	
<u> </u>	
Final conco of cold	UTP is 2 pM instead of 12 pM in my provides
	un, Il man quant to at hot UT lin 4 feld
	, in the prosed engineer much and and
Last lofold NI	
ENA prolu nas dissa	wal in I'm of hybridialine lougher
2 pl vas vad for Coun	pig = 162417
ip total CPM of prob	$\frac{162417}{500 \times 162417} = 8.1 \times 10^{7}$

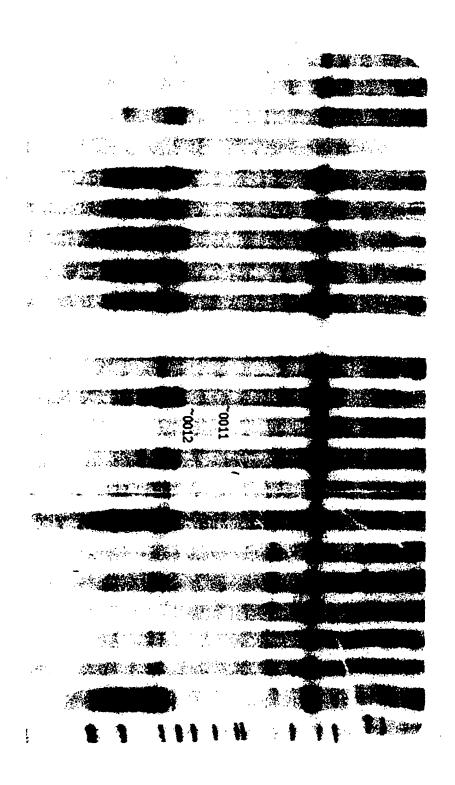
Rule 131 Petition AN 09	0/472,558 Page 3 of 48
for hybridgation  2 of to use 3  to 2 point hybridgation  is about	x107 CPM/ml (SX105CPM/3-pl)  . In the present returbain it is  more, thus using pert conet probe  \$1° will grim 2.7 x107 CPM/ml  4x107 > Used.
For 7 Sample	s ned 15x7 - 105 pel prohi + 105 pel hybrid 15/17
· I	for control 80°/5 nin hyboidgil 48° 0/N
· -/	

	Rule 131 Petition AN 09/472,558	Page 5 of 48
	Round I Pran Post	when portel
	· · · · · · · · · · · · · · · · · · ·	ad with land of that (100 pg) + 22 pl
	Spin at heer ipm 4	C Redissolved public - 1 60 pl DERC Hro
l sol"	40 pl (20t) und p	ettand, - 20 30min Spin Smin 4°c.
مراكس	redissohn soch pellet	30 jul hybridigation broffer + probe.
	YNIP SING was made	
	and stock sola (vnp -	crot)
	2/1000 pl of 6	unified pola tested = 240298 Cpm
	total activity =	1000 x 2.4 x10 = 1.2 x108
	hybridigation solution	this prode in hybridefalm sol" + royal of  per sample O/N iculation 45°C
	RNan 1, 30 u	(3, nl), 75 min 37'c.
	Wedged Sel 20	all tett and
	longel boding	hed no 12 pl, 184 Hyrl (1/3) und
	I fram: I pl added ?	aled as sel. Dort markers diduted to
	about 200 CPM Sa	pl. Gelan at 1350 V

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Loading order	· · · · · · · · · · · · · · · · · · ·
Duy Leny Ear, Bar, Bar, Bar, Bar, Bar, Bar, Bar, B	2 1302 1-19 100 blogs DNA blogs
	i to Ratal about 110
Xylene Cyanol FF nulestides Bosnop	Comignates with a RoA of about 110 here blue eville 25 melestries.
Raid has a larver was	chility in These sels than DMA of the
- 1	11) has marked on the
The sign of protected of	estimate. For enough if an Rot species
_ mus mut a DMA ma	len of 100 nucles Hass, call
n 90 to 95 meledide	
<u> </u>	

	Rule 131 Petition AN 09/472,558	Page 7 of 48
trans	1	ulte put C ( now ) 20 pg / Election
<i>l</i>	Rat-1 340 V	Cap 960 ME +-C-= 17-6
- ethand LF2	Incul " at	11:40
Ju.	1302 T. (.	16.9 incul start 12-35
,	Both all li	typsmyalin for 2 min
C A)		typsnyali for 2 min
	· After elect good	nour, cells were maid viside a soul leter medine, splid- to two plates, com plate
	to lu und for	Onthe quantitale, the other for Knot ( approx.
	Ť	/plata ).
	DNA (mel RNA 2	had 45 nin after eletypershi
	* 1-19 Cells	eletyporter lyn at 1:45 pm
A Aming		7-3
9.4	Call were	monant
6-6 4-4	LMA was	prentied according to standard protect,
2.3	' finally dissolu	I some Deschiated the des/ 10 min
	Further punit	ration of Nort rangelis were also Corredon
	auording pre	evenings.
	10-11-11-11	

	1
Rule 131 Petition AN 09/472,558 Page 8 of 48	
New poslu was synthesis D with the remaining	
	1
Probe Sperific aun 5.	
2.1 XIO CPM total	
Disselved or Ind of hybridization lugger	
	*
hybridigation relation added to each "sample	
hybridigation relation added to each "sample Meated secretarially 7 nin (instant of 5 nin) at 85°, the Incubated at 45°c for 16h.	
The Incubated of 45° c for 16h.	· <del></del>
2 pl (20 u) of Knase One addd/Sauph	
Buyles wer pially rempadd i 15 pt of Cooling	
luffer, Sol was used for gel analysis.	
The state of the s	
The cut numbers for all three cut line,	
The cut numbers for all three cell line,	
i, 2x Dave must by rend	
	······································
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· · · · · · · · · · · · · · · · · · ·	



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Results of the ense	enment confirm the previous
engeniules mute te	hat.
	li level of andogram
Col x1(1) w RMA- In	: 1302 cells is at least lepold
ž.	ti alls (compan Cz mit Cy).
	of the motor for 1-19 alls is
intermediali lutu	in the all lines, in
about 3x higher I	Tun 1302 and 3x lame than
Rati alls.	
2 Electromakin and	for trypsvnijeta com
almost Total do	radation of endogenous XI(1) mount
and The level of the	Not return to normality upt
I	antin (less than 10%)
	Tom for all three cell
lines.	
	(1) gen does not men to
tancon I am m	ant up to 24h, ie it must
las and the Th	ram was as The andywars some
Joseph Company	sam way as The ondogenous grown
U. The tool of	al (1) trunkated promoter
Country	yntheing mans efficiently
with the only	peteletografe porse
	hunon Col hGH Countruits
mun see of 5 th	CAT much The The
	CAT countruits. Thus the
	( col &1(1) promotor engrumm unter 24
is any relevant to )	willy rightled form

<b>a</b>	Electrogoción of 1-13	Suith pwice 48h incular
	10 subconflut /pl	also.
bld.	20pg DMA	my .F.1 + 10pg F2.)
<b>)</b> .	T.C. 15.	
 •	Stort electropense	at 2-08 himle 1/
	· ·	
** **		2
		(1×-3 wh)
mount		
40 60	<u></u>	Dog,
		cul.
$\boldsymbol{u}$	·· -	
reder to the control of		

Rule 131 Petition AN 09/472,558	8 Page 14 of 48
pcR.	×12
	10 pl 120 J
Primer Land /Land Mix	20-240
d NTP Mix	1.4. 16.8 1
~ 32p LCTP (Sweepold)	3
Drist Ag polymeran	4.8
iho.	<u>89.8</u> <u>660 1</u>
DWA	lopl
F/4/32 10	Cycle 1,94; 2,53; 2, 70°
DNA Standards pRAG SO, 10, 5, 10	11
Lac princes did not work as pure	Very ardened.
New Premes, Amps al Amp 3	were ordered.
Lan 1-5: PBAG ; 6: Commè De	VA; 7-12: Red , 1302 al 1-19 CUO 24 and 48h porteletop "
·	
<u></u>	
-	
<u> </u>	•

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3-1870

Tabelog ~

Antidepoint of the control of the co

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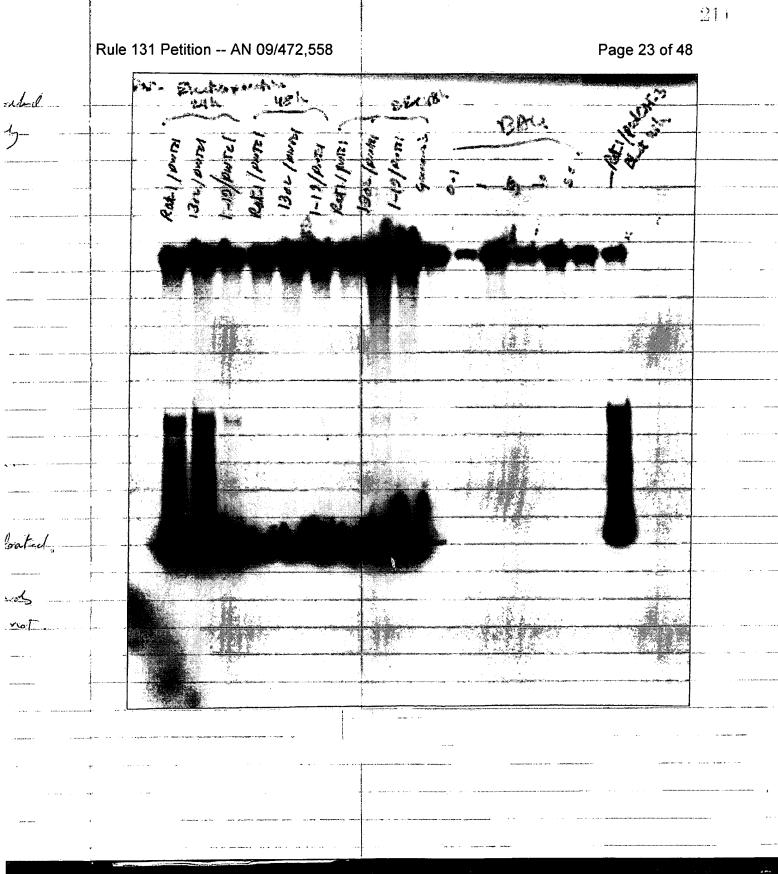
4	
And to	enstertin of purel into Rady /1302 al
1-19 Cella la	DENZ-DEXTRAN-EXTENDED PRETER
This was dans	ull 10 m of DAT in each can
surding to motion	1 cm man 203
all manual	I all three cell lines were
ven por lus	than 5.1. An entre de type of
d 1-12 alls	us done without DNA. The gild of
Cells was no	t as prox.
want Through u	with Kout al not propos after 48h
	long of thouse was added to each sample
	iceganit um added, to help coming carry
	In the proudure
	had such kull or Dong sangula for
	tim. , assuming about equal No. dalls
never resovered per	plate.
These RNA same	les will be analyzed and the unclutroporated
Rath, 1302 at 1-19	ent wing another probe such as GAPDH as
. lotro lunctur	·

Amp Premans for estimation of Transfected partely The cosmil price ( carriette Amp gene Two primes were ordered to employ a 223 pp frage of Amp gen . They are designated Amps S and Amps 3 Amps was delivered at 13.14210 4810/ 4260 U 65 mg in loop 1 -> 100 pm 3017 628.8 mg = 100 x 628.0 = 967 pl 100 pm s.1 11/1 A. 60 at 47 M / A783 = 521.7 M 100 x 521.7 = 803 pl = 100 pcf Mix Amps with Amp3 at equal rel I gin So MM slatin y 2 oligos.

	·	: .
Testing the A	up himas	· -
,		<u>.                                    </u>
The Course Originals	Amp-5 and Amp-3 menter wer	12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
· · · · · · · · · · · · · · · · · · ·		
۸	CR Assay as fellers;	: 
# 1 1 1 2 5 016	i vere st a la Court de la courte has	·
#2) Spl of 10 mg 1 10,	i pB1G Standard (we don't know if pkse has	
0.11	1 Saight 2 Sample	
JOX Buffer	1 Souph 2 Sample	
1 they 12	4	i-
	1.5	1
tay polymon	<u>as</u>	
Mu _	82 164	<u> </u>
		ļ
File \$ 2		-
Alla PCR IIn pr	anto (10pl each) were analyzed on I'l your	
of alm with QX17	How W workers and two plasmeds received for	\ ·
Point of Groot and	pLS-1, for quantitation. 1/2 plof the two plands	
	·	
Lodeslangel.	12345	1
Thus:		
Low 1 - Qx174 Juna	- June plasmed	
Law 2 - DWTC PCR	product - pour product	
3 = p13/12 1	1 + ratgenone Det	
· · · · · · · · · · · · · · · · · · ·	22360 -7	
5 - pLS-1		
		-
Conclusions, Primers w	a Kwell on both portal and pBAG tampletes. At hunt	-
The a fall Wind lovely of	warnt . It sit come from genome Don't.	
p Gract coner's u.	10/10 pLS1 = 3-400/101.	
······		

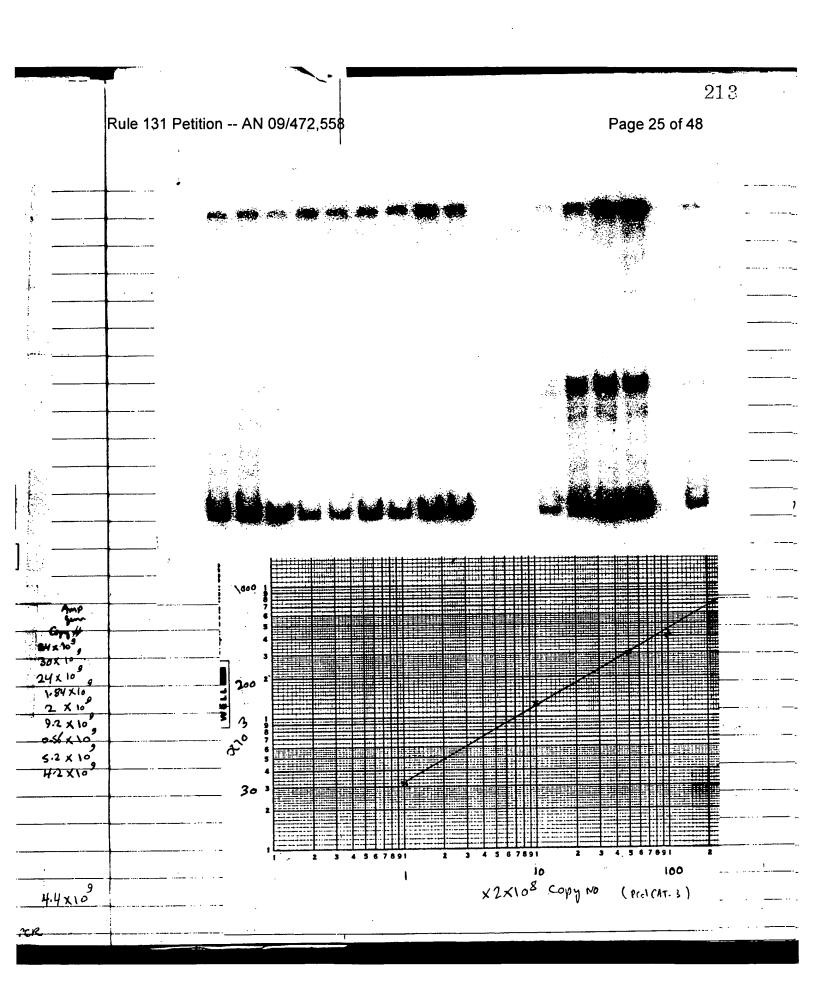
	Rule 131 Petition AN 09/472,558 Page 19 of 48
	The state of the s
	Further Studies on the Fate of Endogenous Colleges on (1) milest after electroposation
	Then are a number of questions to be asked regarding the mulemise
	_ af College aft) ment degedating at essaling of symbless :
	1- 12 I dut aporation per su maporation of the short off on electropolis + Date
hes	transcription fontaries or resulting with land of endagement ment?
	3- Don et yatheris of a (1) at so come after several days or the
	poan is inverentille?
	In order to answer the find- question on electroperation of Kd. !
	cells was down without Doct, in arbabia was continued for
	under 48 h withally am of the Cels were remarked for white
	analysis, the nost repeted and continued in cultation for own a week.
yere	The arms to the regard question is already partly answered.
mile	dut apradi- will and does not result is commit expression,
	reit the commel new the endgement of an engrand
	I should not must is a co 95% day in the level of endagener, you
	enpremier lang can an eletropostic was donn
	pronte construct. It is dutingental very efficiently, we
	also hum The il- organis CAT on which y we shall
	mushants if it with Turn off endy
<u>ut</u>	Colla men herental for CAT- 3/ Plat. 1 at 45 h plat was
	80%, confluent, conquest to coincil that while we about to f conflict.

PCR of all DN	1 •		
	\X		
10 x Buffer	1		
Primes Amp 3 /5			
		24 1	
a mp detp		<del>- +7</del>	
Tag polymen		7	
		12411	
•			
DM	la pol		
Fil #32 /33 /2			
Lane 1 = Rat-1/PWTC1,	•		THE T THE THE
2 = 1302 .~	<b>v</b>		
3 = 1-19 "			
4 = Rat-1/pwrol, 4		[160].0	
s = 130L		men	
3 = 1,100, 151111			
Rat lover to see	h t DEAS DEV Tour	L. h.s. 7	
	h post OFAE-DEX Trans	50%	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	,	- Soil. on	· · · · · · · · · · · · · · · · · ·
_		· · · · · · · · · · · · · · · · · · ·	
10 = Rat-1 genen	CAA		•
	ľ		
·			
13= 0 - 1	" 5 ··		
	\0		
15:		•	
16 = Rat-1/pidlOTI	3, 45 h postelutropoution	- (oil, DNA would	
* lot yall	PCR reactions and	typed on sel.	



	. B. j	~0003	
:			
		0002	

<i>a</i>	OBJECT NAME	VOLUME	√g BAC	(GROUND	# PTS IN OBJECT	SUM ABOVE BKGND	····- · <del>Cop</del>
ROJ-1	~0003-R1C1	135099	12	11.65	3243	136923	24 x 1
3 = 200-	"0003-R1C2	133605	12	14.18	3243	135889 _ 2/7.10	30X
3 1-19	~0003-R1C3	133183	12	11.06	3243	138977	24 X
S (Rex	~0003-R1C4	29565	0.92	6.836	3312	33412	1.84
2 2 con	~0003-R1C5	32578	Ĭ.	6.423	3243	35498	2
144	~0003-R1O6	77621	4.6	8.065	3243	81280	9.2
( ROA)	~0003-R1C7	40320	٧.٧	9.031	<b>33</b> 12	45322	
SK LADI	~0003-R1C8	142898	13	14.03	3243	150019	5.2
28 140	~0003-R1C9	124376	5.01	19.63	3243	138473	——H12
	~0003-R1C10	-15962	•-	11.63	3243	4899	•
	"0003-R1C11	-376.2		3.427	3312	1286	
	"6003-R1C12	32414		7.658	3243	34399	
	<b>"8003-R1C13</b>	123946		17.12	3243	128648	
	"6003-R1C14	305291		27.42	3312	315661	
	70003-R1C15	405947		30.79	3243	417063	
	70003-R1C16	-18125		15.00	3243	6106	,
\$ <b>,</b> 4	70003-R1C17	50548	5.2	6.263	3243	5D442	4.4
45 h	Gone	Copy#	1 2	(read from	40ph x 2 X108 x	Fraction of what wand	ونوسه



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Disestion of portus	pLS-1 and pGract with Hinde
BRL 10X Reat Buffer 2 Hind III 204/pl	Spl 2 pl 33
p graet uppforl BRL 10x Reart Buffer 2	sopl 2-spl Spl
Hind 111 20 m/pl	40 pl 37c/0/N
tangers of low	
7 days en CoT-3	Not I dut, 48h and undutagended quartitated. 5% of each Rot saugh
tool and lent for 7	Days I s' mine mit sette
	s agaran gel along with us: (I pl of 20 pl sol " in TE)
······ <sub>-</sub>	

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TIM

Lane : pLS-1 Univelle 2: pLS-1 Univelle

Lan

41. 13: unelectroporated Rat-1 Rost (48h)

29: Elect d Rat I RMA, 45h

361. 35: " " 5 days

gol. 2.5%, used + 4) : " , " 7 days

Not. Sy Rat-1 electroporular mit pciCAT-3, 45 h

6) pLS-1/Hind III/

7) paract/MAdILL

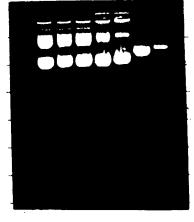


pLS-1 2 comp at last 2x strayer than p Gract; i- pLS-1 was diluted 2x so that both process will be about 0.5 mg/ml

the Rose consulation de not seem to correspond to visual Cell No. Could also be artifact suice electropheme was done in TBE pf1 8.2 in while Rose

may not be so statute.

Experient was .. repeated.



Sal aposhl

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••••

Rule 131 Petition AN 09/472,	558	Page	28 of 48	
Electroporation	visual anthoney	Actual all No.	Resumpert Rus in Xpl TE	<u> </u>
Summay				
Unelectopostul	60-70%	1,840,000	\84	
Elect 2 Days	90%	3,200,000	320	-
L 4 Days	&·1.	2,040,000	204	
, 6 Days	70 h	2,080,000	208	
Electroporated Nat /CAT-3 - 2004	<b>.</b> .	To RM+, = ~ 40%	\02	
Me 20 pl of e	wh Rout s.	ola / emperen al		
+ 2 pl t RM				
+ 2. Spl 3M Na Are	ph siz			
+ 75 pl sthand		Sam 4°C/Smi		
co'c	30 mm	Spin. 4 C /3 mm.		
			<u></u>	
en e		•		
				}
e de la composition de la composition La composition de la				I
·				
	1			1_

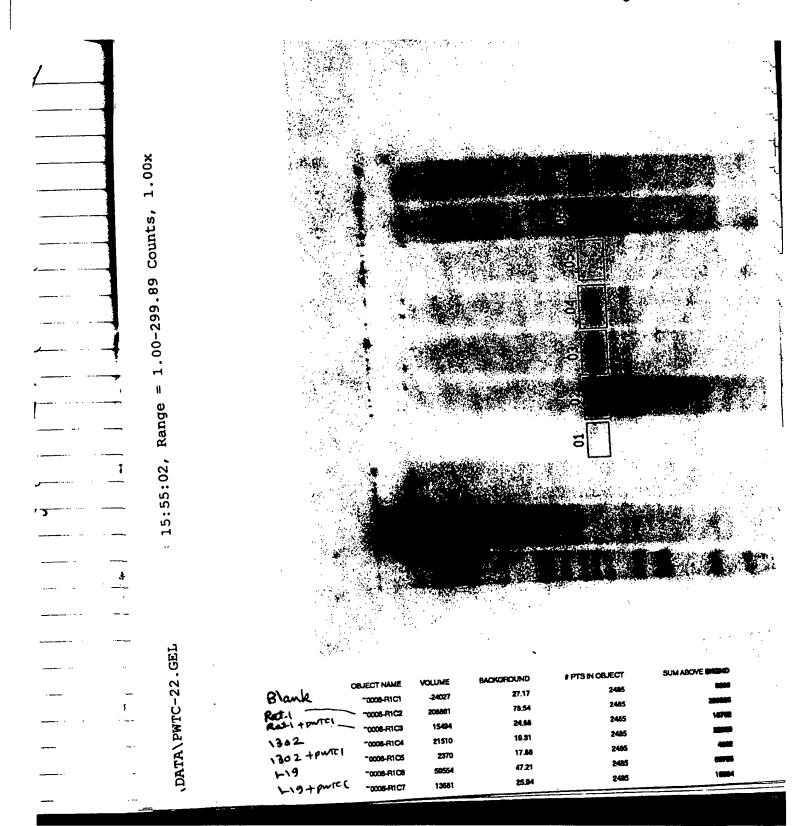
suspert		Repeat of Electroper	shows of Rab-1, different cell hersent hand,
ATE		cowly of alls	e brans of Rab-1, different all hersent hand,
4			
	<u> </u>	Undestroperated Rat	is after 2 days lade about 90%. Confilment
)			is after a days Code about 30 /. Confilment
		Cell Counts:	Elut 20g 800
3	†	٨	Elut 2000 8000 Anchetispordel 4000
			x10 = 3,200,000 - 21)
	+		ex le = 1840,000 - unelutyant l
		May all bod	robert 80% confluit.
	*	5100 × 40	x \c = 2040,000
			~ ?o'h confluil
7		Seco Xue	X10 = 208 gaca
	<u> </u>		
	· · · · · · · · · · · · · · · · · · ·		

	•	
	Rule 131 Petition AN 09/472,558	Page 31 of 48
	Seguncing gol.	
i.		
1420)	60 ml 6/acryla	mid / IXTBB / 7.77 Urea
	loopel loop Ars	
	Ufful TENED.	
	Lane: 1) pBx	322 VMs p 1
	Exp   : Electrope	vation of Rat-1/BOZ/1-19 with pwton - 24 h postelet"
		unclestrogorated
<u>.</u> :	3) Rat-1	E/estreporated
		undutroporated
	•	elut-gratid
		unelutroporatid
	·	elutroporaled
-		of Rat-1/12-2/1-19 wit portc1 - 48h post-dut"
		undetoprated pretrypsinged (P/T)
	1	Elitopratis
		•
*	,	undutoporal P/T
	•	Electrofonetial.
		undentroporation P/T
	13) 1-17	Electroporated
, see .	Fxp3: Electroporal	
7	Erry 14) Rat-	/PCGICAT-3 48h post-elutroporation
4	FXPY; Unelution	matid culs us clertreporated Rate auls, 2 4 ed 6 days por other
Mund	15) Rat	
	1 16) Rat	
men	171 "	
	18) "	, N . G ., V .,
· <u> </u>		M. control
	(1) (1)	// Conver

220	
Rule 131 Petition N 09/472	,558 Page 32 of 48
20) Rat	purch with Roth, 130 2 and 1-19 15 DEAF DEX 48 h
22) 1-19	IpuTCI DEX 48h  IpuTCI DEX 48h  Limitationatul DEAD DEXTONIA
26) prob 26) prob 27) prob	probes in the order adoled to hydridgetin mexture  pSTBBO. 7  pLS-1  pGrant - negotive control for Kuran protection  322 VMSP1

	24 h postelutoporation	48h
	Contrador of the work of the season of the s	Spriding of The
X1(1) (main bands, 2) -1/2 + RMA(280	11877 7128 6007 1942 9094 6184 85264 11223	26820 5357 48343 3 24020 2557 45543
GAPDH	45902 28635 38658 31673 43398 122744 -) 44951 43730 25752 36590 27847 39501 11391 3868	34 173 % 65275 ( 1 5437)
ailis/GAPDH	1.023 0,000 0.124 0 0.226 0.086 0.724 0.2	18 0.138 0.039 0.29
$\sim 1$	GAPDH 9 APDH	<u>‡</u>
~000	OBJECT NAME VOLUME  OBJECT NAME VOLUME  05-R1C1 - 7 5 4780 ***0002-R1C1 18677	
**************************************	105-R1C2 . 2 54 3116	

	Oligos Etc. P.O. Box: 874 Ridge field, CT 06877
	V Rule 131 Petition AN 09/472,558  FAX # 800 Page 34 of 48 '3
· · · · · ·	Phone: 800-888_2358
<b>.</b>	P. O. No.: GFR - 550480
	Ship To: Dr. M.B. BAHRAMIAN / Dr. ZARBL
	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
	Room E18-566, 400 MAIN ST, CAMBRIDGE, MA 02139
	Phone: (617) 253 7666
	BILLING ADDRESS: MIT, P.O. BOX 69, CAMBRIDGE, MA 02139
	Oligo # AMP-S:
	5' gTA gTT CgC CAG TTA ATA GT 3 20-mer
	Small Scale
	Oligo # AMP-3:
	5' gCT gCC ATA ACC ATG AGT gA 3 20-mer
	Small scale
	pate required by: ASAP
	40 nucleotides at \$4.50 = \$180.00
	Feb. 23_1995
	M.B. Bahramian
•	Amplifies a 223 bp fragment from Ampicillinan gon claud
· • <del>•</del>	into pBR327
	Solvern, X., Coravrubias, L. and Bolivar, F. (1980) construction an characterization of new Cloning rehides. N. Odeton devotions of pBRFR and PBR 578. Gen. 9, 287-305.
	of PBRFIL and PBR 328 - Gen 9, 287-305.



Electroporation of Ratt, 1302, 1-19 Cells curity. CAT-1 (3.6 Kb), CAT-2 (2.5) al CAT DVUII (~1Kb) al CAT-3 (0.12kb). Determination of transcription al translation in vivo RNA / Cell entrant al Neilei isolalismo (each eluteporatu dividus 3 ways. Electroperation of NIM 373 Cells with pm 7 Cl Pour / Dort is-lated - delarmin that me & moune cells behave similarly with respect to all sabut aff & putcl Not everyth CAT-1 was promet, so it was proposed by bout of when old and rown new planned were mind al find is vince clutyonthis. Viality 1-19 Cells after that was good 1302 + Rat-1 Cells not so good / about 1/4 2/5 of 1-19). 373 als recovery was bad. 373 alls were be electroperated sandey the second prep was ok., same boulas recovery as 1302 + Rat-1 -

promotions and human al (1) you are not regulated

5	Rule 131 Petition AN 09/472,558	Page 39 of 48
	Fleutroparation of pSTBB	0.7 and pSTBB 2.6 w/ WIH-3T3,
	Rotal all and 1302	
	the object of I	is organized is to verify if the
		une / enonic requences have any effect.
		endograms as (1) in both Rat-1 alls and
	•	Also want to inventigate of The
	ahat moure mani	In with II senting & without I sugar
*	(BY BBU)	enjourned to remilar levels is 1302
	Call de la Callette d	_^
	de de la tra	11 Mat 27701 with 0.7 m 26 -
	Thus the elicitory	the Rate = 373 all with 0.7 × 26 -
	pleasure at 1922	with just 2.6 plannich a contral -
·/	1	lestopret I at the same the with wa DNA -
w D	1	f indegrans as (1) mant contal
<u></u>	· ·	und am pSTBBOT al GARBY
	also part midle det	The state of the s
100 mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/m		- and pst BB 6.7 for
<u> </u>	out sur what syn	there in retigute.
13-	0	
	Ketovay of all	after electroporate was good for
.:	Rahl + 93ez Cu	Is lent not good in NH-313 alls
	(301), with any	a 1.6 101, for Rate about 901/
	oftrysh.	
	So for Rat	al 13 12 was should un 1/5 flast -
	for 3T3 1/2	1 · ·
	-	<u> </u>
300		

A seemb mut d	Thus inventigation is to verify That	
short manatra +	The ubacca elements is to a 2-fold	
les efficiently ongo	med is 1302 alls compared to Rate,	
- i accorden imila !	In data or human procellege as (1) - h G. H reported	
multo	: On A data but	
(1) to investigate	y significant vicano i anti sam	
XI (1) mand rom	to i shut off of This gon,	
zuh prottiany	<u></u>	
Rati Rati 1302	302/ 1-10 1-10/ 3T3 3T3/	j
(Control) PNTCL	302/ 1-10 1-10/ 3T3 3T3/ entel putel putel	<del></del>
		<b></b> .
Rat-1/ Rat-1/ 1302	373/ 373/ tRMY	<u>ــــــــــــــــــــــــــــــــــــ</u>
BB0.7 BB2.6 BB2	8 0.7 2.6	<u></u>
Jooln with sen	~ ~ (1), BB0.7 VPST-1	1
	+ GAPOM	-
		+
Il probes the mutter	gapois and CAT	+
1/3 of the abou	Rond samples to le und persperent	1
•		+
encept for 24h	elut. Rate 1302 1-10 my ban town the	-
remaining RMS		<del></del>
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	Remuts	!			
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		ا بـــا لـــ	· + a	1 11 1	1. 1/1.1
up of Tool	Kvan on.	hus this	engeren 4 2	min in regions	5-9
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	perot, the perot.		•		
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	•	×1(1) YAYUT	•		
_	OBJECT NAME 1	VOLUME VOLUME	GAPAM		
	TRMA -0013-RICI	10552 1983	1.56	1.02	
	, "0013-R1C2	84059 53767		.47	The second section and the second sec
	Rati 3.6 Kb -0013-A1C3	53236 71792	0.14	5.44	
	2-5 "0013-R1C4	131513 193460	0.00	_	
	ν \-0 "0013-R1C5 μ 0-24 "0013-R1C6	212066 283413		<u>).48</u>	
	13.1	182131 235120 22918 50539	~ "C	. 49	
	\302 \3.6Kb = 0013-R1C7	22918 50539 5051 18814	0.27		
	2-5 "0013-R1C9	18825 104257	a.ie	).05°	Charles to the same of the sam
	0018-R1C10	31147 174568		0.06	
<b>1</b>	0 .21 -0013-R1C11	28895 206870	0.14.		A STATE OF THE PARTY OF THE PAR
•	\-\7 "0013-R1C12	24611 50129		25	
	1-19/36 -0013-R1C13	49208 94022		.26	
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	\- 0 "0013-R1C15	45736 120226	_	.22	
	0 -22 -0013-R1C16	38501 91751	0.43		
		•			
		The state of the s			
		A Acres	The second second		

Cel #3: 1/2 / Il	samples related to Rat cells came out ok.
lut monar ce	els did not work mic mouse and rat
	ferent and specific more proin must be use

		(۱) (یچ	CAPO	CAPDIT		ty to	
2RNA Rat-1 Rat-1/BB2-6 Rot1/BB2-7 1302 B02/BB2-6	"0020-R1C4	VOLUME 111.4 85645 148279 87764 29351 40784	VOLUME 4844 72040 407730 198905 107968 280830	1.19 0.36 0.44 0.27 0.14	0.10	21(1) GAPDH(12 Q111)/GAR	
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## Rule 131 Petition -- AN 09/472.558

## Page 44 of 48

	Rule 131 Petiti	on AN 09/4	72,558				Page 44 of 48
Lund	! &\	OBJECT NAME    313   01     313   26   02     313   07   03     313   07   04	VOLUME 26712 9628 12067 1502	BACKGROUND 17,99 15,28 16,73 13,66	# PTS IN OBJECT # 1581 969 1007 429	34.88 25.22 28.72 17.16	3-3 - 0-98 3+3/26 - 0-36
	GAPDH	313/2.6 08 313/2.6 08 313/0.7 07 313/1~10 08	27211 26215 50919 5225	18.63 17.43 18.99 12.57	1035 1225 1595 1025	44.92 38.83 50.91 17.88	373/0.7 0.24 373/puice 0.29
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	Princes Amp 3/5 LNTPMIX (15mm, 1994)	
1	Tag Polymeran (Roomiga)	0.4 9.2 Sample
	DNA (1/10 of each DNA)	30 pl
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Rule 131 Petition AN 0	9/472,558 Page 47 of 48
Ann Pour	was und In all DNA quantitation
Thus:	were und for all DMA quantitation
Gene Copy No =	no read directly from the Standard curve
State Cold	x 2 x 108 x 1 Fraction of Domination PCR
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Rat-1 / 3.6 Kb prom	atu (Rat)
Rat-1 / 2.5 v v	
Rat-1 / 1.0 .	
Rat-1 / 0.22 " "	
1302 / 3.6	5.6
1302 / 2.5	174
1302/ 1.0	76
1302/ 0.12	2.56
1-19 / 3.6	24
1-19/ 2.5	90
)-19 / 1-0	54
1-10 / 029	208
Rat-1/BB0.7	130
Rat-1 / BB 2.6	42
Red 1302/BB2.6	52
2+2 /0.7	18
37) / 7.6	2.8
372/ PWTC1	156
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	Rule 131	Petition	AN 09/47	2,558						Page 48	of 48		
tation		η 0	BJECT NAME	VOLUME	BACKORO	JUND							_
		مالمعلا	**************************************	70662		4.129					19		
	<u> </u>	Standards	~0005-R1C2 \d	263159		5.476 —				VOLUME	•	(GROUND	
			T0005-R1C8 \$4	593639		6.532			OBJECT NAME		.07	3.995	
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	1	Spoce	"0005-R1C5	20334		4.834			"0007-R1C		_	3.794	_
	<del></del>	•	"0005-R1C8	15121		3.961			*0007-R1C		0.42 1.40	3.996	
			"0005-R1C7	84978		4.080			**************************************		1028	3.975	-
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